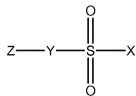


In the claims

1-33. **(Canceled)**

34. **(Currently amended)** A coating comprising an effective amount of an anti-fouling compound of structure 1:



**1**

wherein

X represents -OH, F, Cl, or Br;

Y represents O;

Z represents 4-(2-methylpropyl)phenyl, 4-(1,1-dimethylethyl)phenyl, 4-(1,1-dimethylpropyl)phenyl, 4-pentylphenyl, 4-(1-methyl-1-phenylethyl)phenyl, or 4-(1-methylheptyl)phenyl; wherein the coating releases the compound or a biologically active fragment thereof when in contact with a surface that is amenable to biofouling, wherein the coating is a vinyl polymer, acrylic polymer, phenolic resin, epoxy resin, polyamide resin, vinyl resin, elastomeric polymer, wax, polyester, acrylate polymer, polyurethane, latex, fluoropolymer, or silicone coating.

35-114. **(Canceled)**

115. **(New)** The coating of claim 34, wherein X is OH or Cl and Z is 4-(1,1-dimethylethyl)phenyl.

116. **(New)** The coating of claim 34, wherein X is Cl and Z is 4-(1,1-dimethylethyl)phenyl.